



Supplemental Figure 3. The concentration of type II chicken collagen antibody in mouse serum. ELISA was used to detect the serum level of type II chicken collagen antibody in each group of mice. Control: untreated DBA/J1 mice; *P.g*: mice orally infected with *Porphyromonas gingivalis*; CIA: mice with collagen-induced arthritis (CIA); GFP: mice received empty AAV vectors (AAV-U6-CAG-EGFP); CtsK: mice received AAV-U6-Ctsk-shRNA-CAG-EGFP. Data are presented as the mean \pm SD. Statistics were determined by ordinary one-way analysis of variance (ANOVA) and student's *t* test. The asterisk (with no line connection) on the column of this group represents the statistical difference between it and the control group. * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$. Experiments were repeated three times.